

Site Integration and Infrastructure

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OVERVIEW

Site Integration and Infrastructure consists of Project Baseline Summary (PBS) Safeguards and Security (PBS RL-SS-D); Hazardous Materials Management and Emergency Response (HAMMER, PBS RL-SS05) and Site Systems and Regulatory Analysis (PBS RL-SS01). PBS SS01 contains three sub-projects:

- Planning and Integration;
- Environmental Compliance Program; and
- Systems Engineering and Integration.

NOTE: Unless otherwise noted, all information contained herein is as of the end of August 2003.

NOTABLE ACCOMPLISHMENTS

Safeguards and Security (SAS) (PBS RL-SS-D)

Support for Fast Flux Test Facility Fuel Movement: FH SAS supported the first Category I Spent Nuclear Material on-site shipment at Hanford in over a decade. The shipment was flawless from a security perspective.

Safeguards Breakthroughs Supporting Nuclear Material Stabilization: FH SAS implemented adjustments to nuclear material control and accounting practices at the Plutonium Finishing Plant that will significantly aid the project in meeting accelerated "Gold Metric" stabilization and packaging production goals.

Security for the Presidential Visit: At the request of the U. S. Marine Corps Presidential Helicopter Squadron, Hanford Patrol provided K-9 Team support for the U.S. President's visit to the Tri-Cities.

Safeguards and Security Cost Avoidance: Through a cooperative arrangement with the Idaho National Environmental Engineering Laboratory (INEEL), Hanford Patrol was able to acquire replacement handguns for the entire force at a greatly reduced cost over commercial procurement. INEEL changed over to a different model of handgun and made their excess handguns available to Hanford Patrol for essentially the cost of shipping, saving an estimated \$250K in procurement costs.

HAMMER (PBS RL-SS05)

Hanford Site Training at HAMMER: HAMMER continues to remain focused on its primary mission of serving the Hanford cleanup training requirements. Two hundred two classes were conducted for a cumulative total of 3,307 Hanford site student days. Highest attended health and safety classes included Respiratory Protection, Hazardous Waste Operations, Radiation Worker II Requalification, Basic Medic First Aid, and Hanford Fire Department training. Overall satisfaction, rated on a scale from one through four, for the month of August were Course Content 3.6, Instructors 3.7, and Facility 3.6.

Brokered Classes: This month HAMMER brokered or facilitated facility-specific, site-specific and multi-contractor training covering 15 topics in 24 sessions. The topics covered were Leadership Essentials III; Advanced Rigging Evaluations, and Radiation Control Technician Continuing Training. Multi-contractor training was also provided on Condensate Inducted Water Hammer.

Emergency Preparedness (EP) Control Cell Support: HAMMER/Hanford Training personnel assisted with preparations and provided administrative support in the EP Control Cell for the Hanford Site 2003 Fourth Quarter Limited Exercise on August 21, 2003. The control cell is located at HAMMER because of the unique communications capabilities of room 18.

ACCOMPLISHMENTS, CONTINUED

Notice to Proceed Issued: A notice to proceed was provided to Morrison Construction Services to install six electric heating units in HAMMER's storage building. Heating the storage building will allow parking of fire apparatus inside during inclement weather, thus increasing the availability of the AI Alm Building's vehicle bay for the scheduling of training classes.

Planning and Integration (P&I) (PBS RL-SS01)

FH Life-cycle Re-baseline: P&I supported the DOE-RL and HQ teams in their review of FH's FY 2004-2035 lifecycle baseline that was submitted on June 27, 2003. This activity consisted of providing explanations of how the FH schedule baseline was developed and what guidance was provided sub-projects. Reviews also included discussions on specific coding structures used in the FH scheduling tool as well as how pricing rates were developed.

Yearend Closing: P&I worked with Finance to develop the systems processing schedule to support year-end closing activities.

FY 2004 Start-up Support: P&I worked with Finance to develop a plan for converting the FH cost baseline from a FY 2003 to FY 2004 base year at the RL-directed escalation factors.

PHMC Performance Report: The July report was submitted to RL on August 22, 2003, and formally transmitted on August 27, 2003, one week ahead of schedule. Performance information provided included major accomplishments, cost/schedule, government furnished services/items, contract deliverables, Gold Metrics status, safety status, milestone analysis, funds management status, and issues.

RL/FH Quarterly Performance Management Meeting: The third-quarter Fiscal Year (FY) 2003 review was held on August 7, 2003. Performance information provided included cost/schedule performance, major accomplishments, funds management status, milestone achievements, Gold Metrics status, and critical issues – with added focus on FH's Spent Nuclear Fuel, Central Plateau Remediation, Plutonium Finishing Plant, and Waste Management sub-projects, along with the Fast Flux Test Facility.

Environmental Compliance Program (ECP) (PBS RL-SS01)

Environmental Protection Requirements Document and Procedure Consolidation: The contents of approximately 20 EP requirement documents (RDs)/procedures (PROs) were consolidated into the following four documents, published on August 8, 2003:

- HNF-RD-15332, *Environmental Protection Requirements*;
- HNF-PRO-15333, *Environmental Protection Processes*;
- HNF-PRO-15334, *Effluent and Environmental Monitoring*; and
- HNF-PRO-15335, *Environmental Permitting and Documentation*.

The format of these documents departs from the previous EP RDs/PROs, and is organized by "work activity" rather than by "regulatory discipline." A "work activity" is defined as a discrete work process to accomplish specific end points (e.g., construction, operations, maintenance, demolition, waste management, etc.) that integrates and implements applicable environmental requirements from the various regulatory disciplines (for example Resource Conservation and Recovery Act, Toxic Substances Control Act, and National Environmental Policy Act). The activity-based format better aligns with the overall intent of HNF-MP-003, *Integrated Environment, Safety, and Health Management System Description*, which promotes the integration of environment, safety, and health into PHMC work planning and execution. Workshop sessions are being conducted to assist in orienting RD/PRO users company-wide.

ACCOMPLISHMENTS, CONTINUED

Air Operating Permit (AOP) Semi-Annual Report: The AOP Semi-Annual Report for January 1, 2003, through June 30, 2003, was delivered to RL on August 12, 2003. This action completes Tracked Deliverable ECP-03-405 two days ahead of schedule.

Calendar Year 2002 Environmental Release Report: ECP tracked deliverable ECP-03-808, *Environmental Releases for Calendar Year 2002*, was transmitted to RL on August 28, 2003, one day ahead of schedule.

Systems Engineering and Integration (SEI) (PBS RL-SS01)

FH Life-cycle Re-baseline: SEI continued to support technical inquiries resulting from the DOE review of the June 27, 2003, FH life-cycle baseline update.

Project Hanford Management Contract: Work continued to support efforts for Prime Contract Management and Integration:

- Worked with Prime Contract Management and RL to resolve comments on the quarterly Government Furnished Services/Items (GFS/I) submittals.
- Worked with Prime Contract Management to initiate discussions with RL on the additional GFS/I that was identified as part of the June 27, 2003, baseline update.

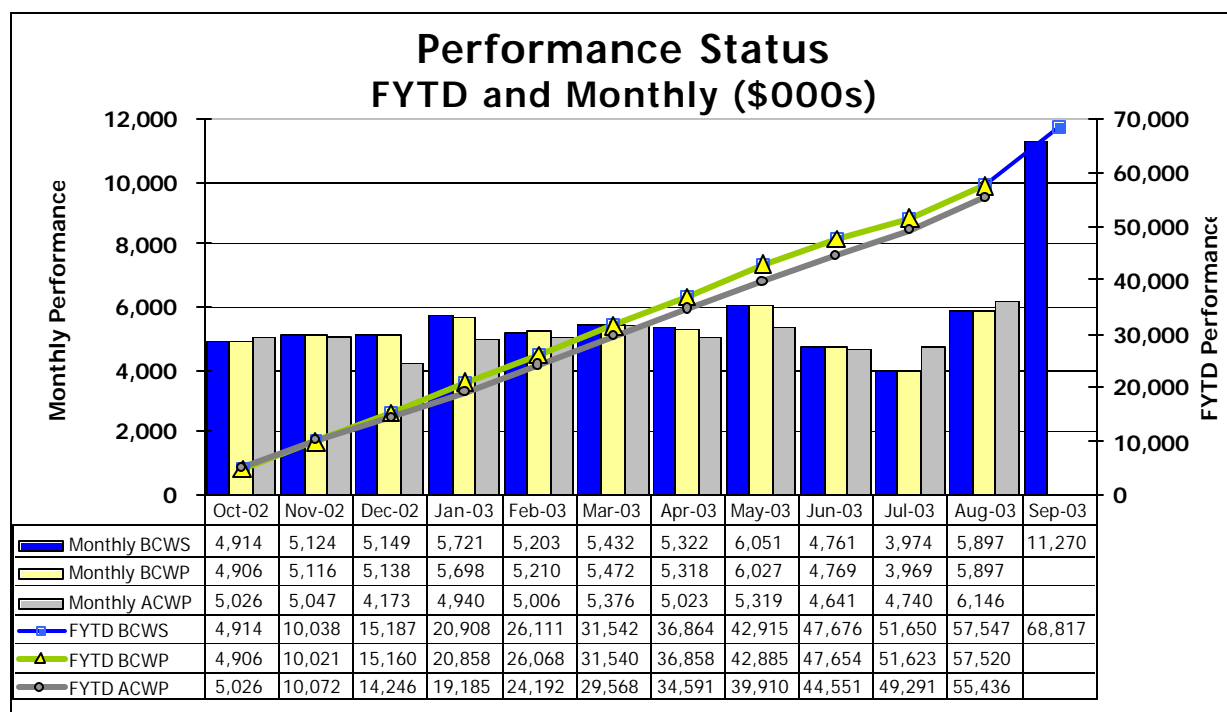
FY03 SCHEDULE/COST PERFORMANCE (\$000)

Schedule Performance: The schedule performance variance for all three PBSs is within the established +/- 10 percent or \$1M threshold, therefore no variance analysis is provided.

Cost Performance: Variances for PBSs SS-D and SS05 are within the established threshold, therefore no variance analysis is provided. PBS SS01's positive cost performance variance of 11%/\$1,380K is mainly due to an August cost credit. Various overheads had controlled their costs, thus a point-adjustment was made in August to align fiscal-year-to-date overhead costs with year-end expectations.

	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
RL-SS-D Safeguards & Security	40,118	40,118	39,742	0	0%	376	1%	44,407
RL-SS05 HAMMER	4,473	4,445	4,118	-28	-1%	328	7%	4,939
RL-SS01 Site Systems & Regulatory Analysis	12,956	12,956	11,576	0	0%	1,380	11%	19,471
Other Direct PBSs	57,547	57,520	55,435	-28	0%	2,084	4%	68,817

SCHEDULE/COST PERFORMANCE, CONTINUED



FY 2003 FH FUNDS VS FORECAST (\$000)

	Expected Funds	Spend Forecast	Variance
RL-SS01 Site Integration	14,297	12,253	2,044
RL-SS05 HAMMER	4,939	4,664	275
Post 2006 - Operating	\$ 19,236	\$ 16,917	\$ 2,319
RL-SS-D Safeguards & Security	47,958	45,760	2,198
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